INDEX

AGIM, Y. Z. and MONTGOMERY, D. Dissipative magnetohydrodynamic states with non-ideal boundary conditions, 371

ANDERSON, D. *See* LISAK, M., HAMNEN, H. and ANDERSON, D.

BABOOLAL, S. *See* MACE, R. L., BABOOLAL, S., BHARUTHRAM, R. and HELLBERG, M. A.

BANTIKASSEGN, W. and MAL'NEV, V. N. Waves in a paramagnetic plasma, 125

BENOVA, E., GHANASHEV, I. and ZHELYAZKOV, I. Theoretical study of a plasma column sustained by an electromagnetic surface wave in the dipolar mode, 137

BHAKTA, J. C. Variational approach to Langmuir waves described by the Zakharov equations, 203

BHARUTHRAM, R. *See* MACE, R. L., BABOOLAL, S., BHARUTHRAM, R. and HELLBERG, M. A.

CALLY, P. S. Phase mixing and surface waves: a new interpretation, 453

CLANCY, B. E. *See* DONNELLY, I. J. and CLANCY, B. E.

CRAMER, N. F. *See* WESSEN, K. P. and CRAMER, N. F.

CROCI, R. Asymptotic solution of the Vlasov and Poisson equations for an inhomogeneous plasma, 59

CUPERMAN, S. *See* ZOLER, D. and CUPERMAN, S.

DEWAR, R. L. *See* PLETZER, A. and DEWAR, R. L.

DONNELLY, I. J. and CLANCY, B. E. Kinetic theory of Alfvén waves in plasmas with force-free currents, 213

DOUGHERTY, J. P. Editorial notice, 1

DRAKE, J. F. *See* KIM, J. S., VAN HOVEN, G., SCHNAK, D. D. and DRAKE, J. F.

FATUZZO, M. *See* MELIA, F. and FATUZZO, M.

FIDONE, I. *See* GRANATA, G. and FIDONE, I.

GHANASHEV, I. *See* BENOVA, A. E., GHANASHEV, I. and ZHELYAZKOV, I.

GOOSSENS, M. *See* VAN EESTER, D., GOOSSENS, M. and POEDTS, S.

GRANATA, G. and FIDONE, I. A new representation of the relativistic wave damping above the electron–cyclotron frequency, 361

GROVEZ, D., SHIVAROVA, A. and TANEV, S. Experiments on the nonlinear evolution of surface waves in an open plasma waveguide, 297

GUHA, S. and SARKAR, R. Paramagnetic decay of whistler wave at the difference frequency of two electromagnetic waves in plasmas, 115

HAMNEN, H. *See* LISAK, M., HAMNEN, H. and ANDERSON, D.

HELLBERG, M. A. *See* MACE, R. L., BABOOLAL, S., BHARUTHRAM, R. and HELLBERG, M. A.

HUSSEIN, A. M. Generation and radiation of third harmonics by an electrostatic wave in a narrow inhomogeneous layer of a warm plasma, 153

KAUP, D. J. *See* RAO, N. N., KAUP, D. J. and SHUKLA, P. K.

KIM, J. S., VAN HOVEN, G., SCHNAK, D. D. and DRAKE, J. F. Magnetic energy release from a zero-net-current layer, 71

KOTEL'NIKOV, I. A. and STUPAKOV, G. V. Adiabatic theory of nonlinear electron cyclotron resonance heating, 19

KUMAR, N. and SRIVASTAVA, K. M. Self-interaction of Alfvén waves in a cylindrical waveguide filled with an ideally conducting compressible plasma, 89

KUO, S. P. *See* WHANG, M. H., KUO, S. P. and LEE, M. C.

LACINA, J. Linear resonant interaction of an electromagnetic wave with a collisional inhomogeneous plasma, 29

LEE, M. C. *See* WHANG, M. H., KUO, S. P. and LEE, M. C.

LEHNERT, B. Electron plasma oscillations at arbitrary Debye lengths, 407

LISAK, M., HAMNEN, H. and ANDERSON, D. Excitation of thermonuclear cone instabilities by toroidal equilibrium distributions of high-energy alpha particles in tokamaks, 229

LONTANO, M. and LUNIN, N. Propagation of electromagnetic waves in a density-modulated plasma, 173

LUNIN, N. *See* LONTANO, M. and LUNIN, N.

MACE, R. L., BABOOLAL, S., BHARUTHRAM, R. and HELLBERG, M. A. Arbitrary-amplitude electron-acoustic solitons in a two-electron component plasma, 323

MAL'NEV, V. N. *See* BANTIKASSEGN, W. and MAL'NEV, V. N.

MELIA, F. and FATUZZO, M. Relativistic charge currents in oblique electric and magnetic fields, 415

MONTGOMERY, D. *See* AGIM, Y. Z. and MONTGOMERY, D.

MURTAZA, G., MURZA, A. M. and QAISAR, M. S. Effect of weak ambipolar field on nonlocal heat transport using nondiffusive approximation, 51

MURZA, A. M. *See* MURTAZA, G., MURZA, A. M. and QAISAR, M. S.

PERSSON, M. *See* WESSEN, K. P. and PERSSON, M.

PLETZER, A. and DEWAR, R. L. Non-ideal stability: variational method for the determination of the outer-region matching data, 427

POEDTS, S. *See* VAN EESTER, D., GOOSSENS, M. and POEDTS, S.

QAISAR, M. S. *See* MURTAZA, G., MURZA, A. M. and QAISAR, M. S.

RAO, N. N., KAUP, D. J. and SHUKLA, P. K. Nonlinear acoustic waves in partially ionized collisional plasmas, 285

RIZZATO, F. B. Stochasticity caused by radiation misalignment in magnetized free-electron lasers with trapped particles, 339

SARKAR, R. *See* GUHA, S. and SARKAR, R.

SCHNAK, D. D. *See* KIM, J. S., VAN HOVEN, G., SCHNAK, D. D. and DRAKE, J. F.

SHIVAROVA, A. *See* GORZEV, D., SHIVAROVA, A. and TANEV, S.

SHUKLA, P. K. *See* RAO, N. N., KAUP, D. J. and SHUKLA, P. K.

SRIVASTAVA, K. M. *See* KUMAR, N. and SRIVASTAVA, K. M.

STENFLO, L. Wave collapse in the lower part of the ionosphere, 355

STUPAKOV, G. V. *See* KOTEL'NIKOV, I. A. and STUPAKOV, G. V.

SUGAWA, R. Velocity–space diffusion due to resonant wave–wave scattering of electromagnetic and electrostatic waves in a plasma, 103

TANEV, S. *See* GROZEV, D., SHIVAROVA, A. and TANEV, S.

UGAI, M. Computer modelling of three-dimensional dynamics of fast reconnection, 251

VAHALA, G. *See* ZHOU, Y. and VAHALA, G.

VAN EESTER, D., GOOSSENS, M. and POEDTS, S. Analytical study of plasma heating by resonant absorption of the modified external kink mode, 3

VAN HOVEN, G. *See* KIM, J. S., VAN HOVEN, G., SCHNAK, D. D. and DRAKE, J. F.

WESSEN, K. P. and PERSSON, M. Tearing-mode stability in a cylindrical plasma with equilibrium flows, 267

WESSEN, K. P. and CRAMER, N. F. Finite-frequency surface waves on current sheets, 389

WHANG, M. H., KUO, S. P. and LEE, M. C. Reconstruction of global micropulsations in the magnetosphere, 159

YOSHIDA, Z. Helicity waves propagating in a plasma, 481

ZHELYAZKOV, I. *See* BENOVA, E., GHANASHEV, I. and ZHELYAZKOV, I.

ZHOU, Y. and VAHALA, G. Aspects of subgrid modelling and large-eddy simulation of magnetohydrodynamic turbulence, 239

ZOLER, D. and CUPERMAN, S. Stability analysis of sheared non-neutral relativistic cylindrical electron beams in applied magnetic fields, 191

BOOK REVIEWS

The Physics of Laser Plasma Interactions, by W. L. Kruer, 135

Plasma Physics for Nuclear Fusion, by Kenro Myamoto, 135

From Particles to Plasmas: Lectures honouring Marshall N. Rosenbluth, 489

RF Plasma Heating in Toroidal Fusion Devices, by V. E. Golant and V. I. Fedorov, 489